



Intersection with the VetLRN

Bruce L. Akey MS DVM
Executive Director



ISO 17025



The AHDC operates under a variety of national and international accreditation or certification standards and programs



National Animal Health Laboratory Network



Animal Health Diagnostic Center

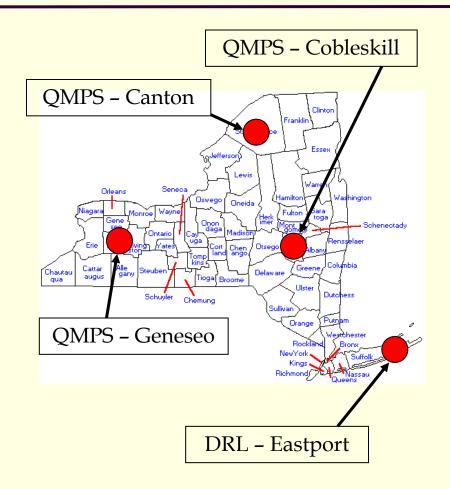
- The AHDC has Cooperative Agreements with:
 - NYS Department of Agriculture and Markets
 - NYS Department of Environmental Conservation for CWD and AI testing
 - NYS Department of Health for vector-borne diseases – West Nile Virus
 - USDA:VS Program Disease Surveillance
 - USDA:NIFA NAHLN testing for FADs

Animal Health Diagnostic Center

- Number of Faculty & Staff: ~220
- Activities:
 - Service
 - Testing
 - Outreach
 - Research
 - Teaching
- Four laboratories elsewhere in New York State



AHDC - Location of Facilities



AHDC Service Categories

- Infectious Diseases
- Non-Infectious Diseases
- Analytical Services
- Field Veterinary Support Programs
- Operational Support

Infectious Disease Services

- Virology
- Bacteriology/Mycology
- Serology/Immunology
- Molecular Diagnostics
- Avian Disease Program
- Parasitology
- Anatomic Pathology
- Wildlife Oral Rabies Vaccination Project







Non-Infectious Disease Services

- Clinical Pathology
- Comparative Coagulation
- Endocrinology
- Toxicology

MELAMINE



Field Veterinary Support

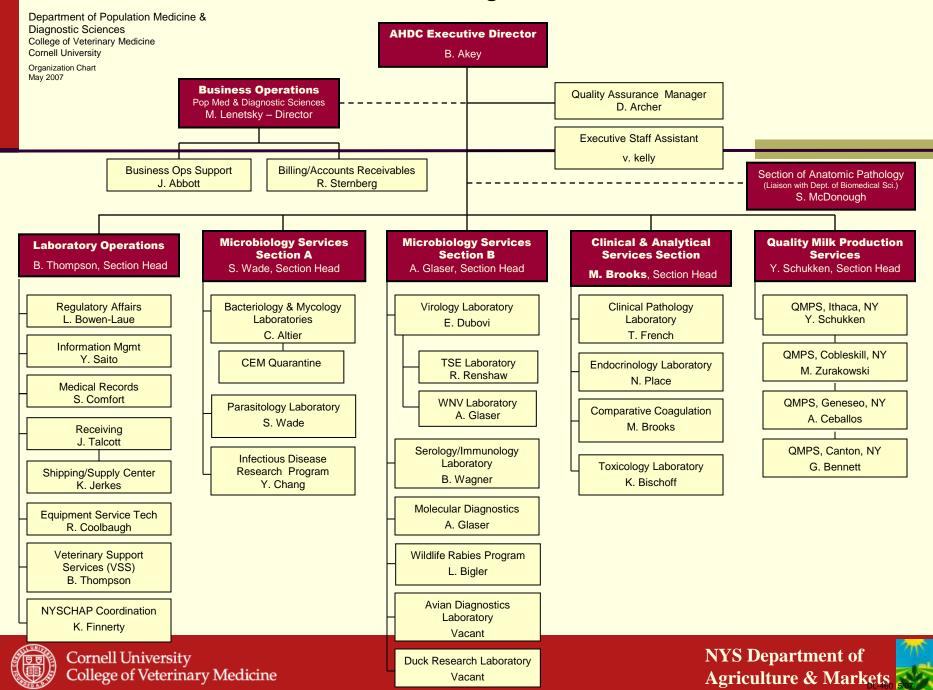
- Quality Milk Production Services
- Support for the NYS Cattle Health Assurance Program (NYSCHAP)
- Field Disease Investigation Unit
- Veterinary Support Services Program
- Duck Research Lab

Operational Support Programs

- Budget & Financial Services
- Information Technologies & Communications
- Quality Assurance Program
- Sample Receiving & Processing
- Referral Services
- Shipping Services
- Regulatory Coordination
- Diagnostic Supply Center



Animal Health Diagnostic Center



Federal Testing Programs under the National Animal Health Laboratory Network

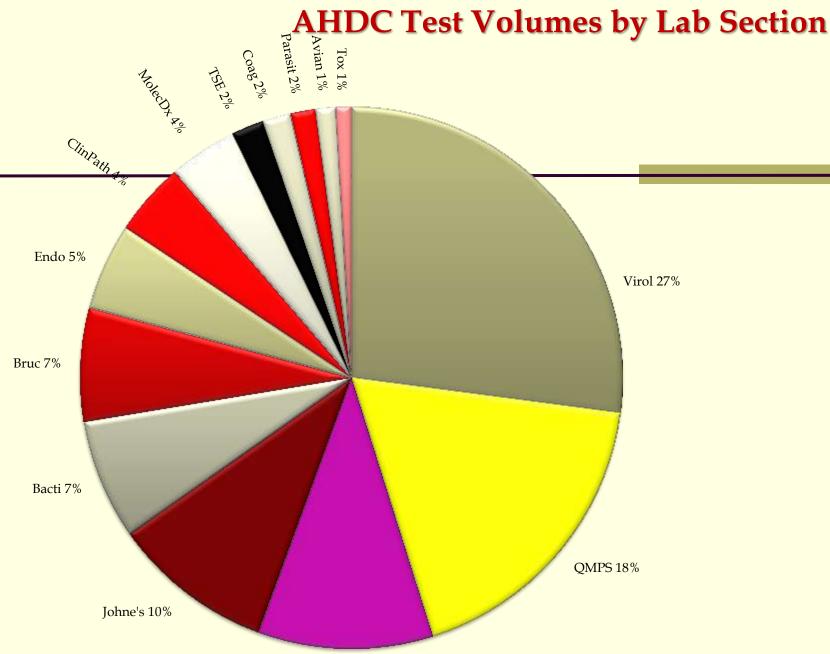
- Avian Influenza/Swine Influenza
- Exotic Newcastle Disease
- Classical Swine Fever
- Foot-and-Mouth Disease
- Bovine Spongiform Encephalopathy
- Chronic Wasting Disease
- Scrapie



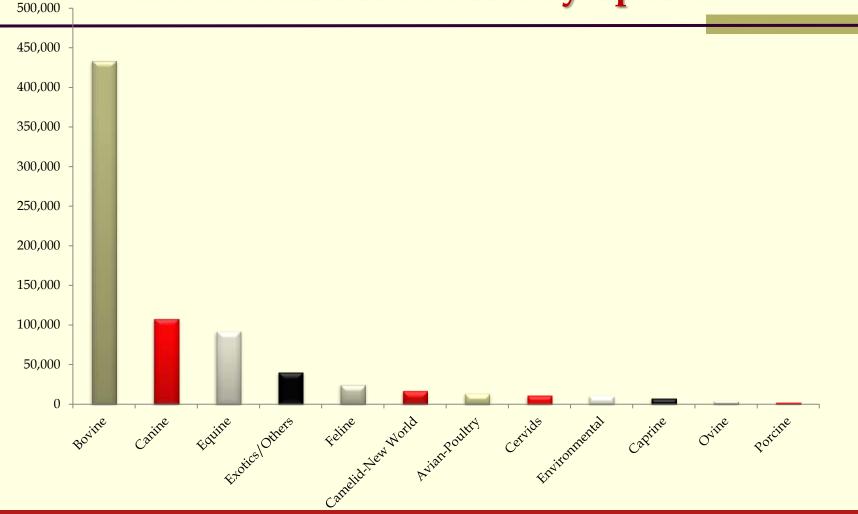
AHDC Activities

- Approximately 155,000 cases annually
 - Over 300,000 samples
 - Over 1,500,000 tests
- Highlights:
 - Diagnosed first case of CWD in NYS
 - Diagnosed first-ever case of canine flu
 - Discovered new canine pneumovirus
 - Avian flu surveillance testing in LBM in NYC and in wildlife
 - Melamine and Aflatoxin in pet feeds



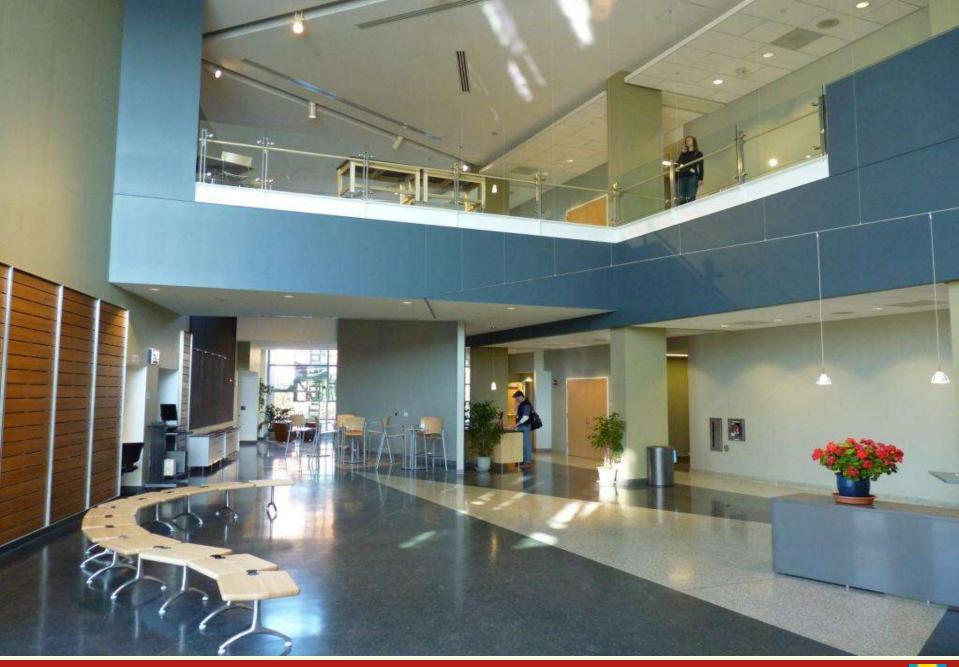


AHDC Number of Tests by Species







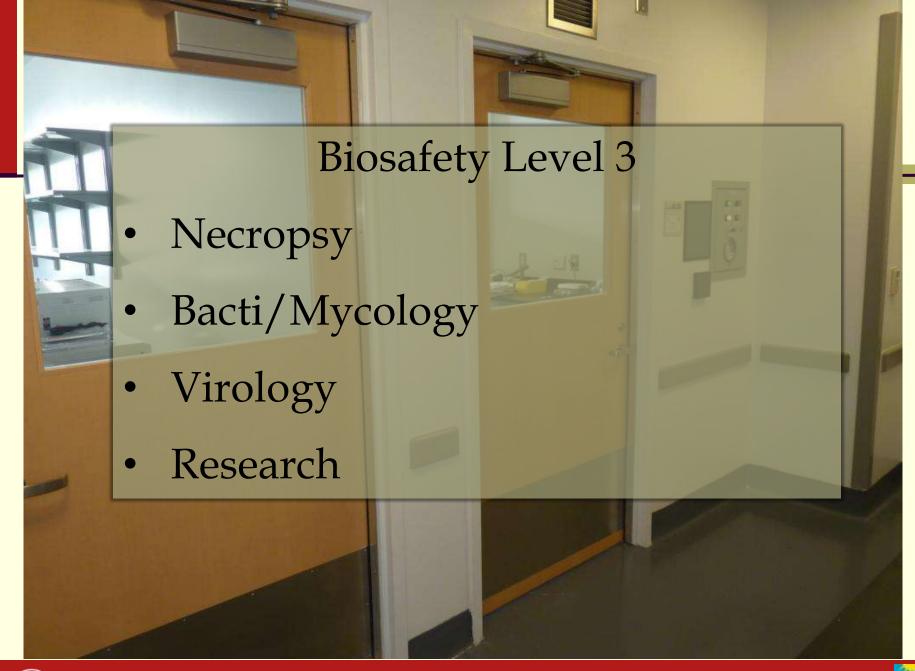














Sign in | Register

Test and Fee Search

Animal Health Diagnostic Center

Bacteriology

Bacteriology Testing

Test Info & Protocols

Test Schedules

Research/Development

About the Bacteriology Section

Personne

Contact Bacteriology





All Species
All Lab Sections
All Test Types
Enter Keywords

Test Search

CVM Home > AHDC > Sects > Bact

The Bacteriology Section of the Animal Health Diagnostic Center provides high quality, detailed, and complete diagnostic bacteriology testing service to veterinary clients, round the clock coverage for the Veterinary Medical Teaching Hospital, and contributes to the education of the veterinary students.

Dr. Craig Altier (Director)

Dr. Yung-Fu Chang (Director of the Infectious Diseases Research Lab)

Dr. Patrick McDonough (Clinical Bacteriologist)

Rebecca Franklin (Laboratory Manager)

Dept of Population Medicine & Diagnostic Science

Bacteriology/Mycology Services

- * Aerobic and anaerobic culture for the presence of bacterial pathogens
- * Mycoplasma
- * Culture for fungal pathogens
- * Ureaplasma
- * Tritrichomonas foetus
- * Mycobacterium



Bacteriology/Mycology Services

- *Comprehensive testing for the diagnosis of Salmonella, Heliobacter, and Clostridial diseases
- *Full service reproductive microbiology testing and consultation for bovine, equine, and canine infertility
- * Prebreeding and abortion work-ups including herd health testing for AI centers

(The National Association of Animal Breeders has designated the Bacteriology Section as the reference laboratory for semen microbiology.)



Bacteriology/Mycology Services

- *Serologic assays for antibodies against Leptospira, canine and bovine Brucella, and the systemic fung (designated by the AAVLD as the reference laboratory for canine brucellosis testing)
- * Identification and susceptibility testing for aerobic and fungal pathogens
- *PCR/Sequencing for identification of pathogens
- * Regulatory testing for the importation and exportation of animals and animal products



Sign in | Register

Test and Fee Search

NYS Veterinary Diagnostic Laboratory



CVM Home > AHDC > Sects > Toxic

The Toxicology Section of the Animal Health Diagnostic Center strives to be the most competent and responsive toxicology laboratory in the country by providing complete analytical toxicology services to private practitioners, commercial agricultural businesses, cooperative extension agencies and universities. The Toxicology Section utilizes modern state-of-the-art analytical instruments and techniques for the detection, identification, and quantification of organic, inorganic and toxic compounds of interest to the food, feed, and animal industries.

Dept of Population Medicine & Diagnostic Science College of Veterinary Medicine Dr. Karyn Bischoff (Toxicology Director)

Dr. Motoko Mukai (Senior Research Associate)

Joe Ebel (Labrabory Manager)

Toxicology Services

 Equine pre-purchase drug screening and horse pull drug screening.

 Organic: Identification and confirmation by HPLC, Capillary GC/MS and LC/MS/MS, TLC:

Drugs Pesticides, insecticides, fungicides

Rodenticides Alkaloids Mycotoxins

Ionophores Vitamin A&E Unknowns



Toxicology Services

Inorganic analysis: By XRF, GFAA and ICP

Toxic heavy metals

Mineral panels

Whole blood lead, selenium, and arsenic

Serum copper and zinc levels

Test and Fee Search

Bruce Akey | Logout

Animal Health Diagnostic Center

My Account

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Poculto

Lab Section:

Technical Resource

Research

People

\hout

Client Home Page

*Start Date: 10/4/2010	
*End Date: 11/3/2010	
Species: All Species	٧
Animal ID:	
Owner ID:	
Owner Last Name:	
Owner Business Name:	
Reference No:	
* = required fields	

Note: Online results are continuously updated and are available as they are finalized. The date range can be adjusted by changing the start and end dates. This will reduce the amount of time needed to load the webpage.

While efforts have been taken to ensure the accuracy of the information, errors or omissions are possible. Please contact the lab at AHDC_client_Access@cornell.edu if you think a test result is questionable or you are having difficulties accessing your testing information. If you have any other questions or comments regarding online results, please don't hesitate to contact us. Any feedback you have regarding the use of this site is greatly appreciated.

HL7 Messaging

Cornell University

Search For Cases

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Reset Form

Last Update July 1, 2010



The AHDC includes the New York State Veterinary Diagnostic Laboratory, a collaborative effort with the NY State Department of Agriculture and Markets



NY State Cattle Health Assurance Program



Veterinary Support Services

- Dr. Belinda Thompson bovine, equine, camellid, small ruminants
- Dr. Paul Virkler bovine (dairy), camellid, small ruminants
- Dr. Linda Mittel equine, companion animal
- Dr. Beth Bunting wildlife, exotics

